ELSEVIER

Dyes and Pigments, Vol. 27, No. 4, pp. 353–355, 1995
Elsevier Science Ltd
Printed in Great Britain
0143-7208/95 $9.50+0.00

CONTENTS OF VOLUME 27

Number 1

1 Chemiluminescent Properties of Some Luminol Related Compounds
J. ISHIDA, M. TAKADA, T. YAKABE & M. YAMAGUCHI (Japan)

9 Synthesis of Donor–Acceptor Substituted Quinonemethide Imines for Nonlinear Optical Materials
T. ITOH, H. IWAYAMA & S. IWATSUKI (Japan)

17 Further Studies of the Use of Chitosan in the Dyeing of Full Chrome and Heavily Retanned Leather with Anionic Dyes
S. M. BURKINSHAW & L. KITCHING (UK)

35 Colour and Constitution Relationships in Organic Pigments. Part 5: The Influence of Solvents, the Central Metal Atom and Substituents on the Electronic Spectra of Phthalocyanines
R. M. CHRISTIE (UK)

45 Long Wavelength Absorbing Azo Dyes Derived from 2-Amino-4-Chloro-5-Formylthiazole as Diazo Component
K. A. BELLO (Nigeria)

55 Photochemical Stability of Sulphorhodamine B
J. HAY, C. RANSON & J. K. SUGDEN (UK)

63 On the Acid Catalysed Isomerisation of Some Substituted Spirobenzopyrans
C. J. ROXBURGH & P. G. SAMMES (UK)

71 A Study of the Reaction between Diazotized 2-Amino-1,4-Benzenedisulphonic Acid and 8-Amino-1-Naphthol-3,6-Disulphonic Acid. Part II
V. DLASK & J. PLOCEK (Czech Republic)

Number 2

77 Thirty-Five Years of Studies on the Chemistry of Polymethine Cyanine Dyes
Z. ZHU (People's Republic of China)

113 The Dyeing of Lyocell Fabric with Direct Dyes
S. M. BURKINSHAW & R. KRISHNA (UK)

123 New Analytical Method of Dye Aggregation using PCA Method
M. HIDA (Japan)

133 Tautomeric Equilibrium in 1-Phenylazo-2-Naphthol—A Quantitative Study
L. ANTONOV, S. STOYANOV & T. STOYANOVA (Bulgaria)

143 Perfluoroalkylation of Quinolinones and Phenoxazones with Bis(perfluoroalkanoyl) Peroxides
M. MATSUI, H. ISHIKAWA, K. HIRAMATSU, K. SHIBATA & H. MURAMATSU (Japan)

153 Synthesis and Characterization of Unsymmetrical Benzimidazoloindo-Carbocyanines
Q. LI & B.-X. PENG (People's Republic of China)

163 A Study of the Reaction between Diazotized 4-Aminobenzenesulphonic Acid and 8-Amino-1-naphthol-3,6-disulphonic Acid. Part 1
V. DLASK, J. PLOCEK & J. KRÁLOVSKÝ (Czech Republic)

Number 3

169 A Study of the Dyeing of Cotton with Commercial Dichlorotriazinyl Reactive Dyes
Z. BAHRINI & S. M. BURKINSHAW (UK)

183 New Reactive Dyes Containing Fluorine Substituents in the Vinylsulfone Group
L. M. YAGUPOLSKII, L. I. MOKLYACHUK, M. M. KREMLEV (Ukraine), M. YA. RYABTSEVA & M. V. GORELIK (Russia)

191 Diffusion Behaviour of Charge Carriers in Thin Films of Phthalocyanines
H. TIAN & K.-C. CHEN (People's Republic of China)

197 Fate of Dyes in Aquatic Systems. Part 3: The Role of Suspended Sediments in Adsorption and Reaction of Acid and Direct Dyes
G. L. BAUGHMAN (USA)

211 Alteration of Properties of Natural Pigments by Conjugation with Fibroin or Polyethylene Glycol
A. ISHII, M. FURUKAWA, A. MATSUSHIMA, Y. KODERA, A. YAMADA, H. KANAI & Y. INADA (Japan)

219 Spectrophotometric Investigation of the Complex Formation of Aza-15-Crown-5 Containing Styryl Dyes with Ba^{2+} and Ca^{2+} Cations
M. MITEWA, N. MATEEVA, L. ANTONOV & T. DELIGEORGIEV (Bulgaria)

227 Synthesis of 1-Formylazulene Derivatives and Absorption Spectra of New Azomethine Dyes Containing an Azulene Ring
K. TAKAGI, A. MIZUNO, H. IWAMOTO, S. NISHIDA, T. HASHIKAWA, K. HAZAMA & T. NOZOE (Japan)

237 Colour and Constitution Relationships in CI Acid Red 138 and its Homologues
ST. STOYANOV (Bulgaria), T. IIJIMA (Japan), T. STOYANOVA & L. ANTONOV (Bulgaria)

249 Synthesis and Fluorescence Behaviour of Some 3-Cyano-4-Substituted-6-Pyrenyl-2-Pyridone Derivatives
J. J. CHEN & I. J. WANG (Taiwan)

261 Book Review

Number 4

263 Synthesis of Some New Thiapyrylium and Pyrylium Laser Dyes
J. ZHANG & Z. ZHU (People's Republic of China)

271 Adsorption of Histidine on Cellulose and its Effect on Histidine Coordination to Copper-Complex Azo Dyes on Cellulose
Y. OKADA, T. KAWANISHI & Z. MORITA (Japan)

287 Nitration of Carbazole and *N*-Alkylcarbazoles
ZHANG SHUFEN, ZHOU DANHONG & YANG JINZONG (People's Republic of China)

297 Formulation of an Invisible Infrared Printing Ink
M. YOUSAF & M. LAZZOUNI (USA)

305 Improved Chemical Resistance of Epoxy Resin-Based Coating Compositions
P. KALENDA & A. KALENDOVÁ (Czech Republic)

313 The Synthesis of Some Hetarylazopyridone Dyes and Solvent Effects on Their Absorption Spectra
N. ERTAN & F. EYDURAN (Turkey)

321 Synthesis of 1,8-Naphthalimide Anhydride Derivatives for use as Fluorescent Brightening Agents for Polymeric Materials
I. GRABTCHEV & TZ. PHILIPOVA (Bulgaria)

327 CNDO/II Study on the Fading of Anthraquinone Dyes
A. RAY & G. M. DEHERI (India)

333 Heat-Induced Voltage Generation in Hexadecyl Merocyanine Dye-Probed Planar Lipid Membranes
S. DAS, R. BASU, A. GHOSE (India), M. MINCH (USA) & P. NANDY (India)

339 Syntheses of Uncharged, Positively and Negatively Charged 3,4,9,10-Perylene-Bis(Dicarboximides)
G. SCHNURPFEIL, J. STARK & D. WÖHRLE (Germany)

351 Corrigendum